

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082323\
 Data File : VN079016.D
 Acq On : 23 Aug 2023 15:12
 Operator : JC\MD
 Sample : 04091-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 01:12:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

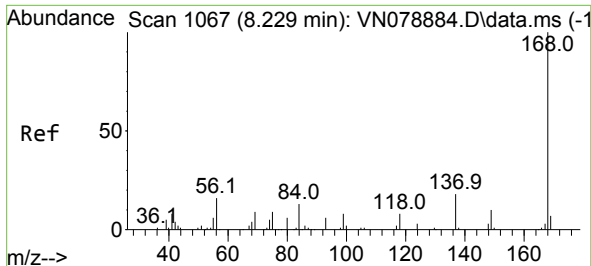
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	172547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	343045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	341239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	150423	56.024	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.040%			
35) Dibromofluoromethane	8.171	113	125153	54.198	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.400%			
50) Toluene-d8	10.571	98	438432	51.134	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.260%			
62) 4-Bromofluorobenzene	12.853	95	133763	47.729	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.460%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	1092	0.327	ug/l	89
6) Chloroethane	3.118	64	800	0.390	ug/l #	43
11) Tert butyl alcohol	5.530	59	373	0.828	ug/l #	72
16) Acetone	4.442	43	27129	24.488	ug/l	94
18) Methyl Acetate	5.030	43	1230	0.263	ug/l #	55
20) Methylene Chloride	5.289	84	13580	5.752	ug/l	92
25) 2-Butanone	7.500	43	9801	5.518	ug/l	99
31) Cyclohexane	8.224	56	5107	Below Cal	#	48
36) 1,1-Dichloropropene	8.224	75	14940	4.301	ug/l #	47
37) Ethyl Acetate	7.577	43	3023	0.778	ug/l #	69
38) Carbon Tetrachloride	8.230	117	19945	5.730	ug/l #	15
43) Isopropyl Acetate	8.694	43	161987	23.581	ug/l #	72
45) 1,2-Dichloropropane	9.753	63	1469	0.537	ug/l #	45
48) Methyl methacrylate	9.671	41	4103	1.318	ug/l #	3
49) 1,4-Dioxane	9.759	88	54	1.018	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	35478	8.708	ug/l #	82
54) cis-1,3-Dichloropropene	10.365	75	42996	9.943	ug/l #	74
56) Ethyl methacrylate	10.982	69	822	0.210	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5077	1.123	ug/l #	42
59) 2-Hexanone	11.176	43	131289	44.490	ug/l #	19
71) Bromoform	12.853	173	1640	0.822	ug/l #	1
74) N-amyl acetate	12.494	43	897	0.204	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	74564	29.586	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74564	75.580	ug/l #	15
95) Naphthalene	15.653	128	893	2.750	ug/l #	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

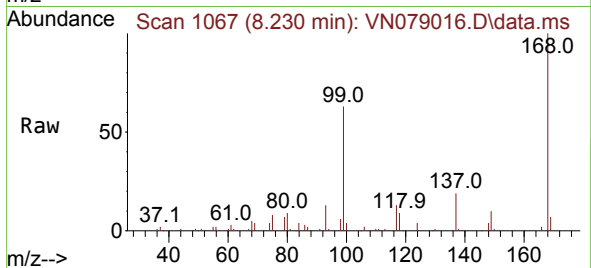
Quant Time: Aug 24 01:12:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



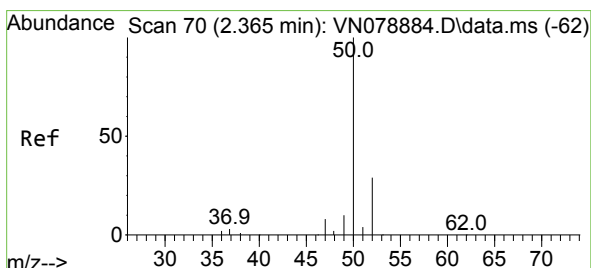
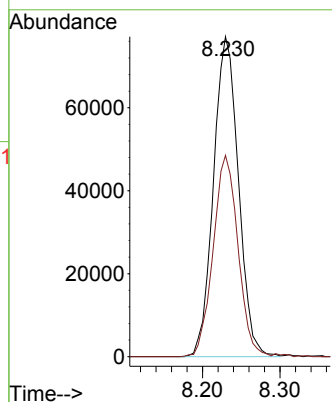
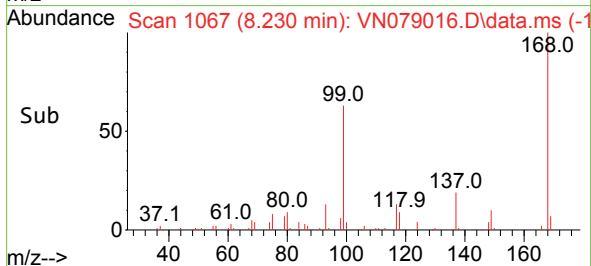


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

Instrument :
MSVOA_N
ClientSampleId :

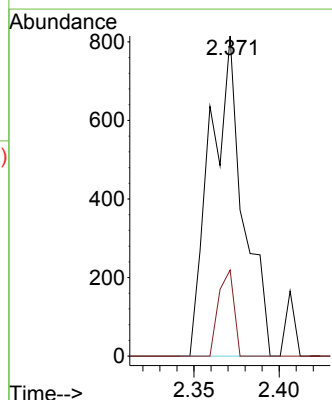
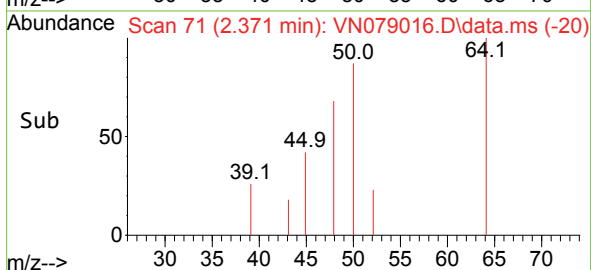
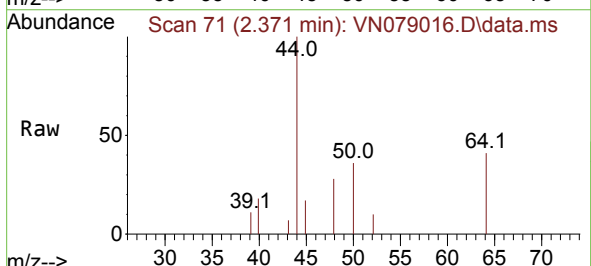


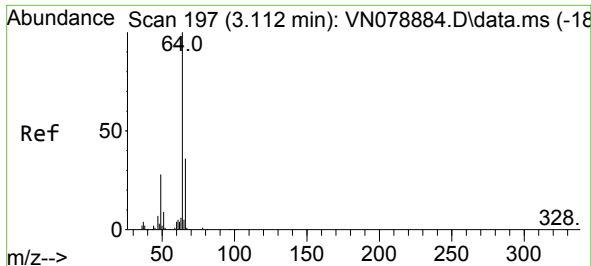
Tgt Ion:168 Resp: 172547
Ion Ratio Lower Upper
168 100
99 62.9 53.0 79.6



#3
Chloromethane
Concen: 0.327 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

Tgt Ion: 50 Resp: 1092
Ion Ratio Lower Upper
50 100
52 26.9 26.5 39.7

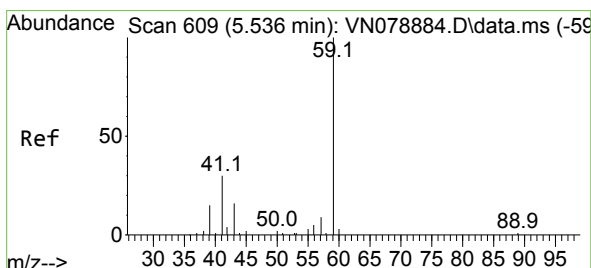
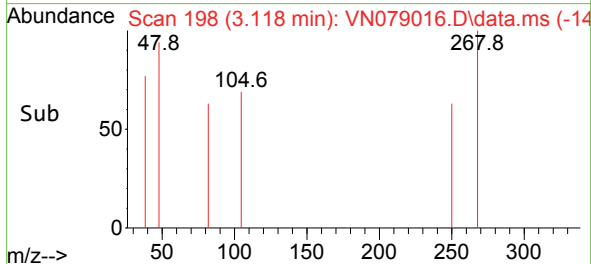
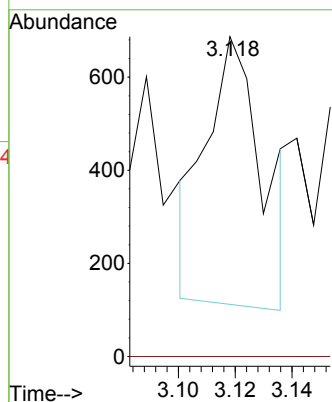
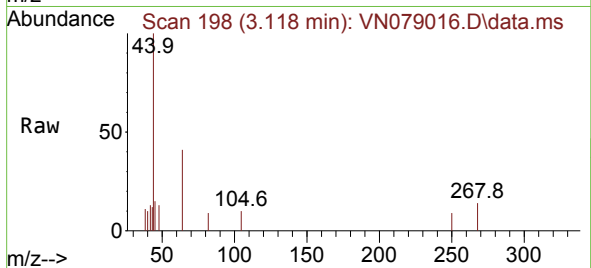




#6
Chloroethane
Concen: 0.390 ug/l
RT: 3.118 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

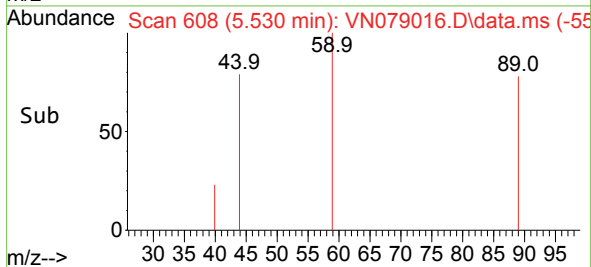
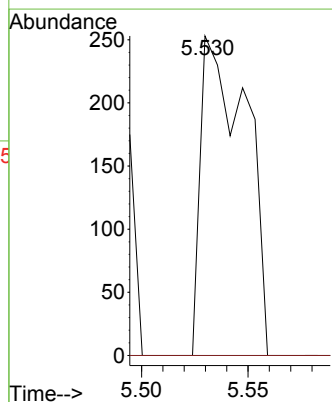
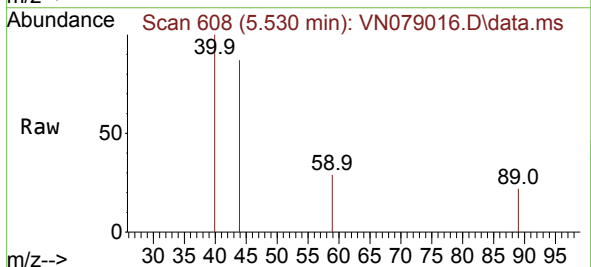
Instrument :
MSVOA_N
ClientSampleId :

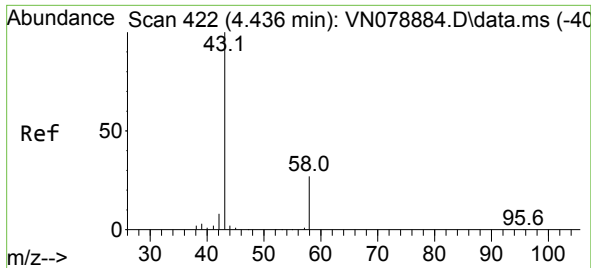
Tgt Ion: 64 Resp: 800
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.828 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

Tgt Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

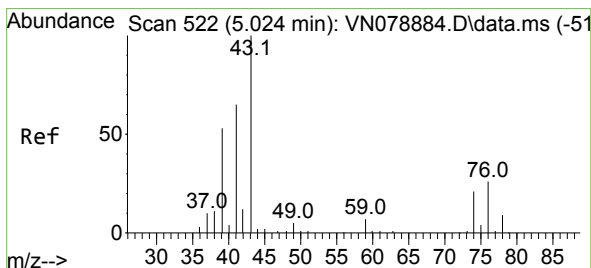
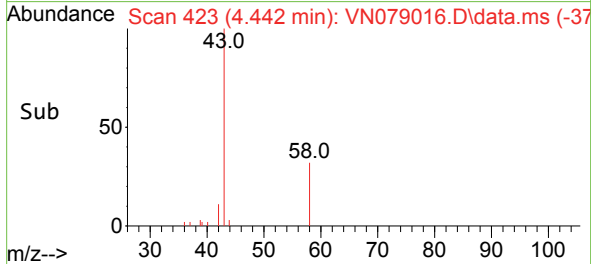
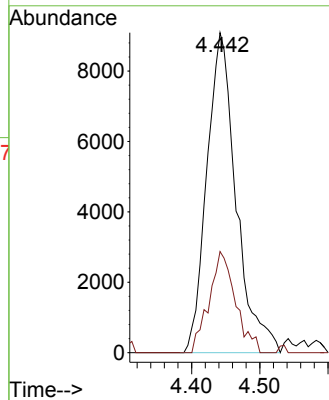
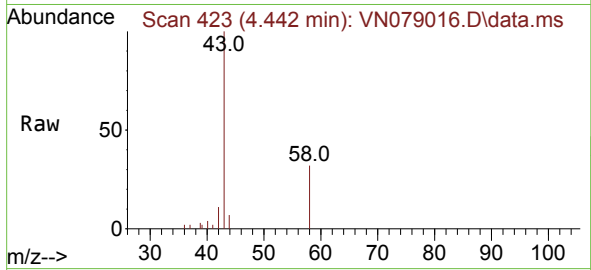




#16
Acetone
Concen: 24.488 ug/l
RT: 4.442 min Scan# 431
Delta R.T. -0.000 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

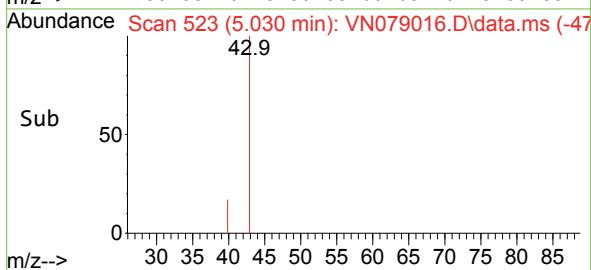
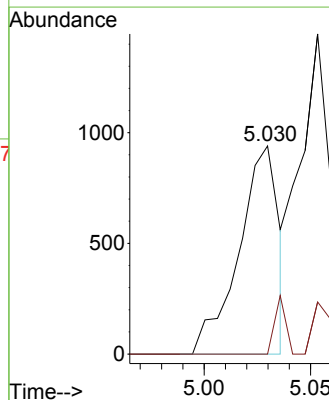
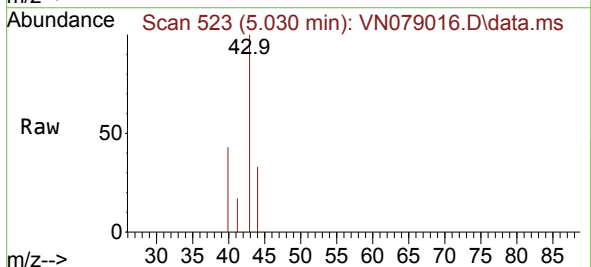
Instrument :
MSVOA_N
ClientSampleId :

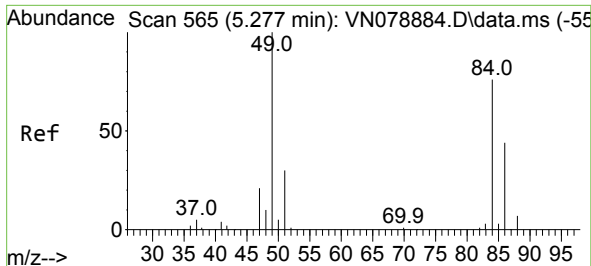
Tgt Ion: 43 Resp: 27129
Ion Ratio Lower Upper
43 100
58 31.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.012 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

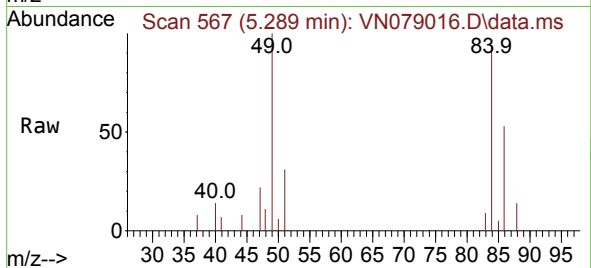
Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
74 7.6 26.2 39.4#



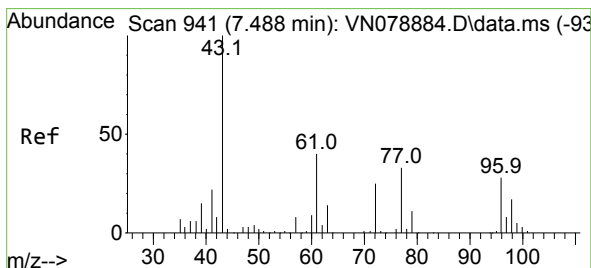
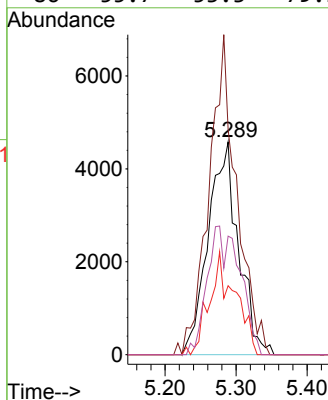
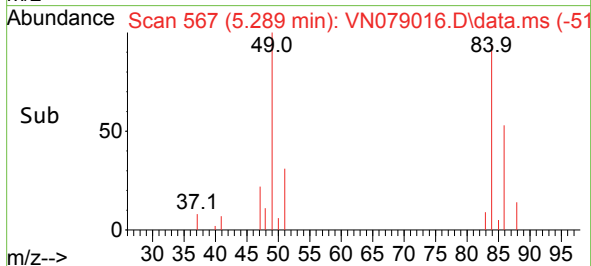


#20
Methylene Chloride
Concen: 5.752 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

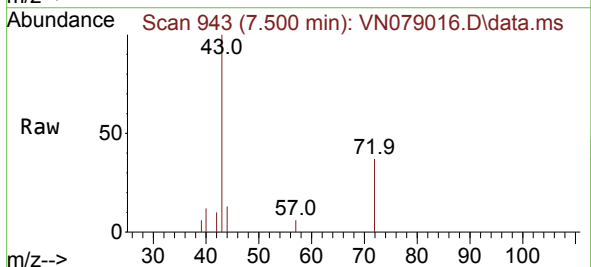
Instrument :
MSVOA_N
ClientSampleId :



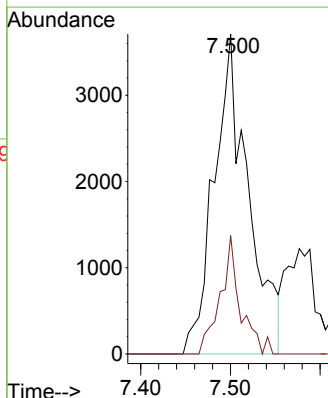
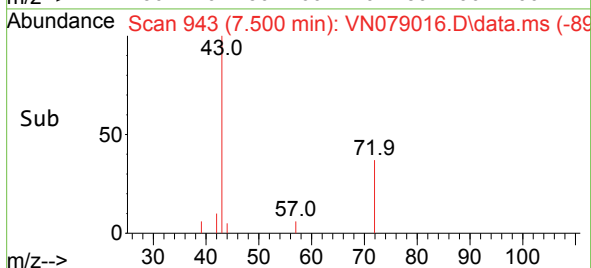
Tgt Ion:	84	Resp:	13580
Ion	Ratio	Lower	Upper
84	100		
49	105.9	79.7	119.5
51	32.4	25.2	37.8
86	55.7	53.3	79.9

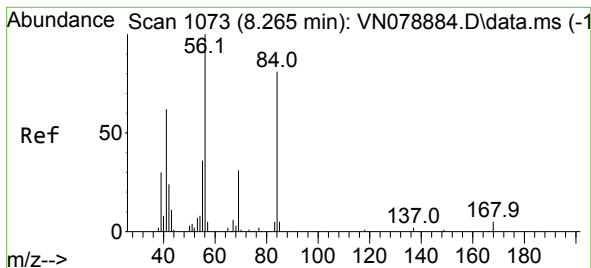


#25
2-Butanone
Concen: 5.518 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12



Tgt Ion:	43	Resp:	9801
Ion	Ratio	Lower	Upper
43	100		
72	37.0	30.2	45.2





#31

Cyclohexane

Concen: Below Cal

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

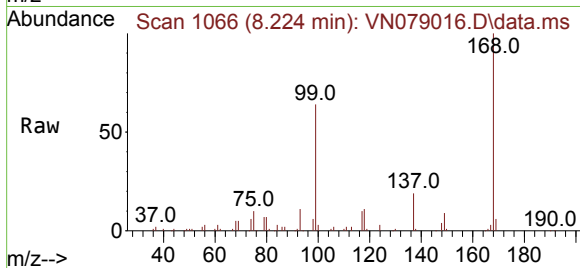
Lab File: VN079016.D

Acq: 23 Aug 2023 15:12

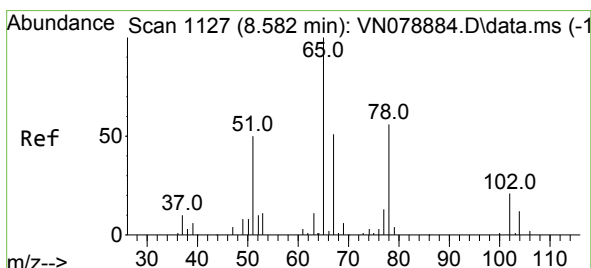
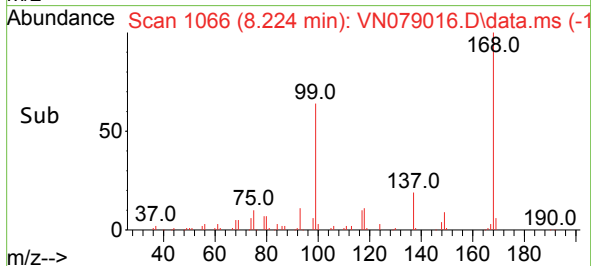
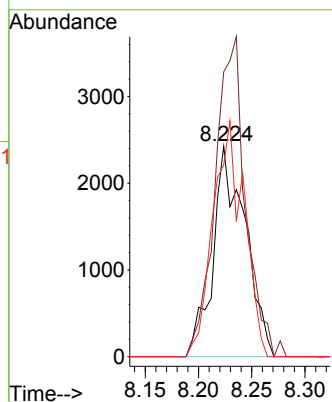
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	5107
Ion Ratio	Lower	Upper	
56	100		
69	135.4	26.8	40.2#
84	91.1	81.8	122.6



#33

1,2-Dichloroethane-d4

Concen: 56.024 ug/l

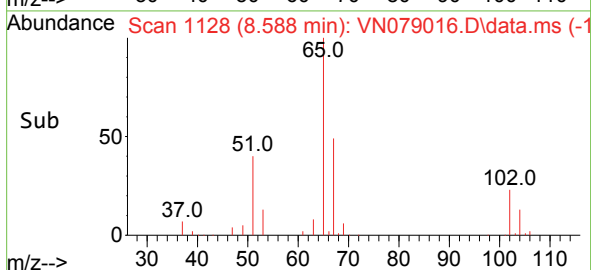
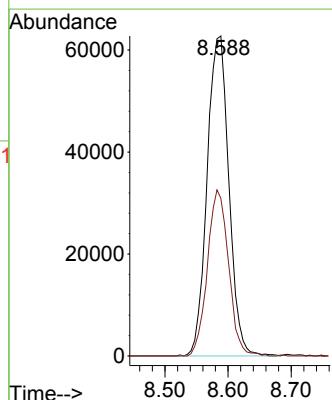
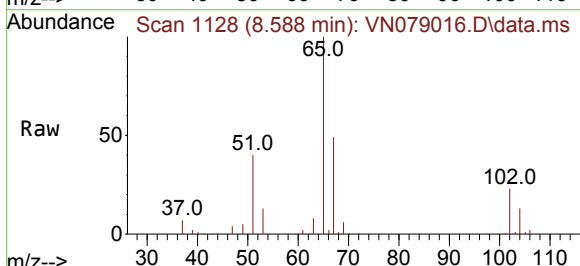
RT: 8.588 min Scan# 1128

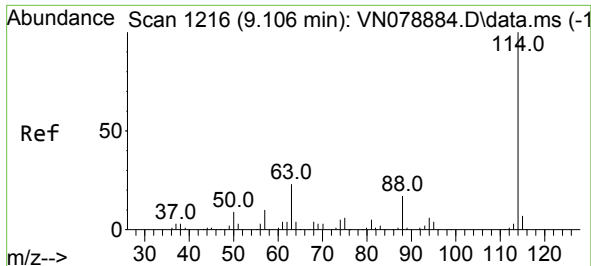
Delta R.T. 0.005 min

Lab File: VN079016.D

Acq: 23 Aug 2023 15:12

Tgt Ion:	65	Resp:	150423
Ion Ratio	Lower	Upper	
65	100		
67	50.5	0.0	106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN079016.D

Acq: 23 Aug 2023 15:12

Instrument :

MSVOA_N

ClientSampleId :

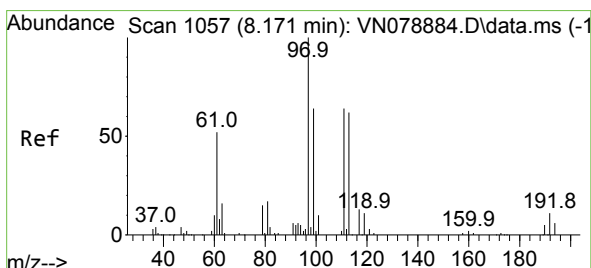
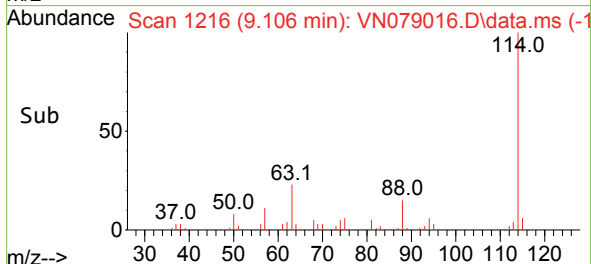
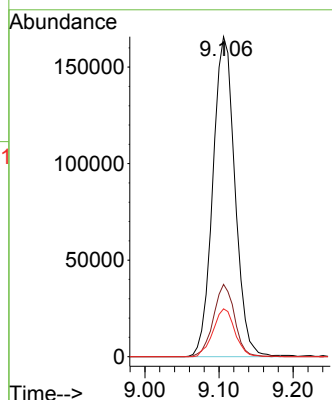
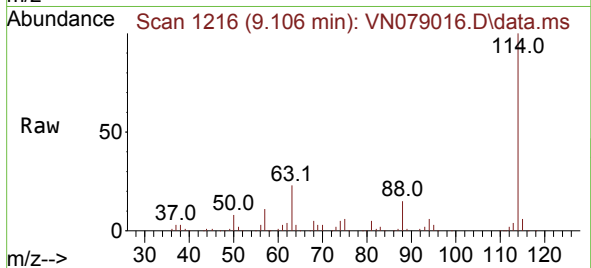
Tgt Ion:114 Resp: 343045

Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.198 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079016.D

Acq: 23 Aug 2023 15:12

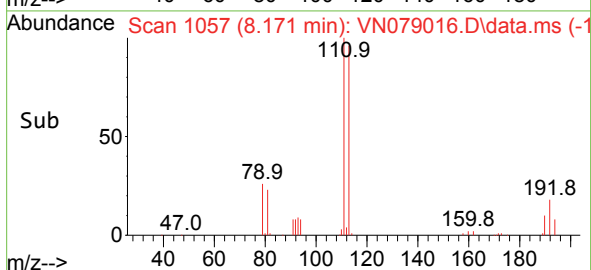
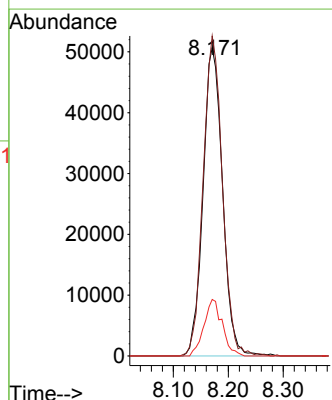
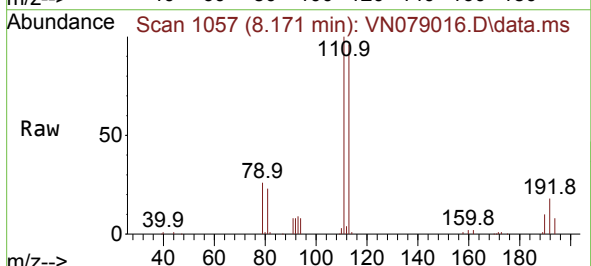
Tgt Ion:113 Resp: 125153

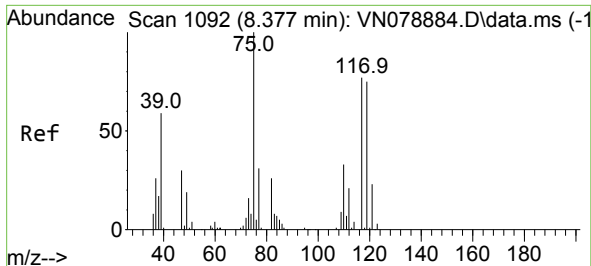
Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 17.2 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.301 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.153 min

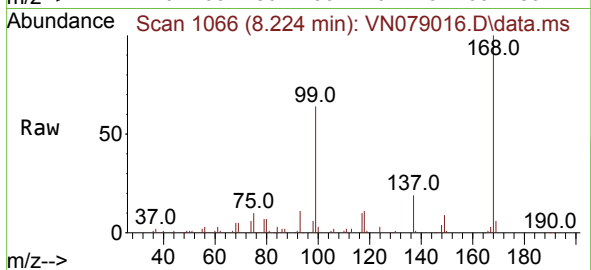
Lab File: VN079016.D

Acq: 23 Aug 2023 15:12

Instrument :

MSVOA_N

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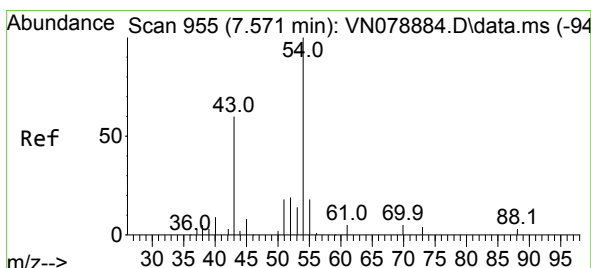
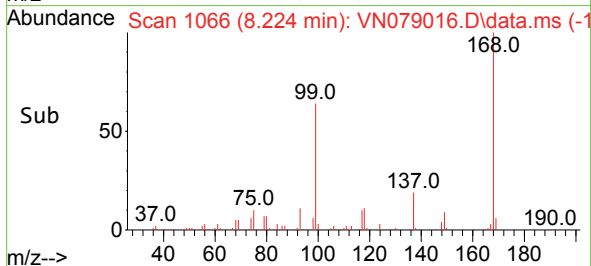
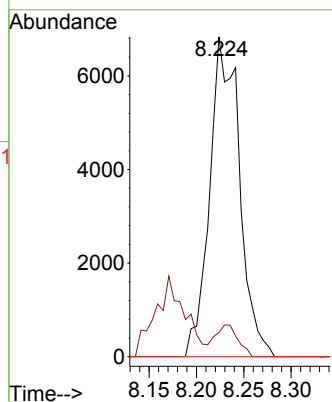
Tgt Ion: 75 Resp: 14940

Ion Ratio Lower Upper

75 100

110 7.5 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.778 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN079016.D

Acq: 23 Aug 2023 15:12

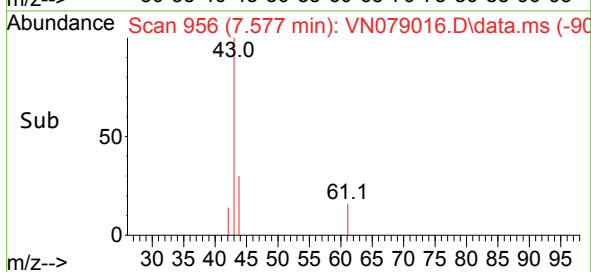
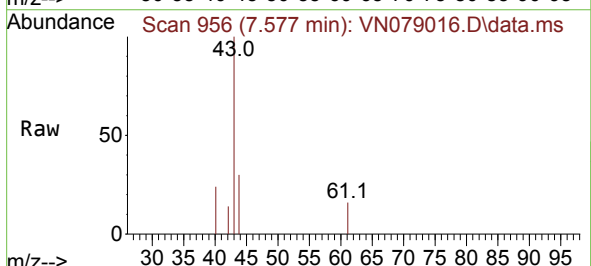
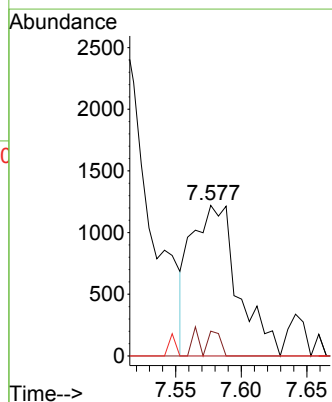
Tgt Ion: 43 Resp: 3023

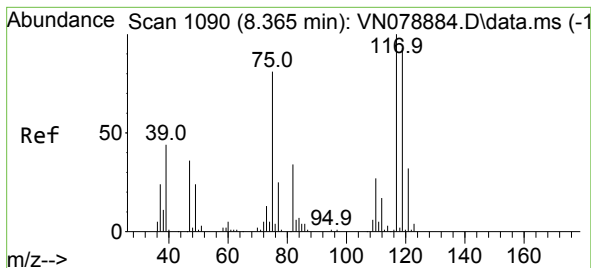
Ion Ratio Lower Upper

43 100

61 4.5 13.2 19.8#

70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.730 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

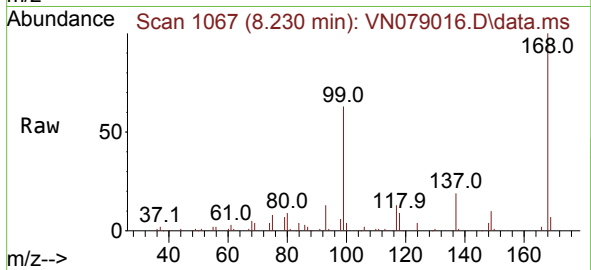
Lab File: VN079016.D

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ClientSampleId :



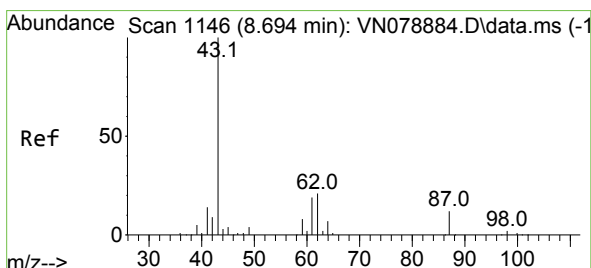
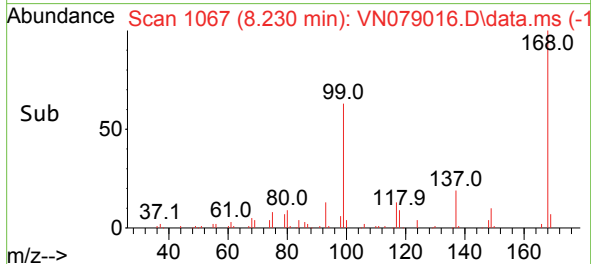
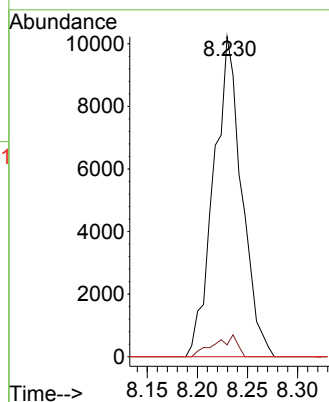
Tgt Ion:117 Resp: 19945

Ion Ratio Lower Upper

117 100

119 3.7 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 23.581 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079016.D

Acq: 23 Aug 2023 15:12

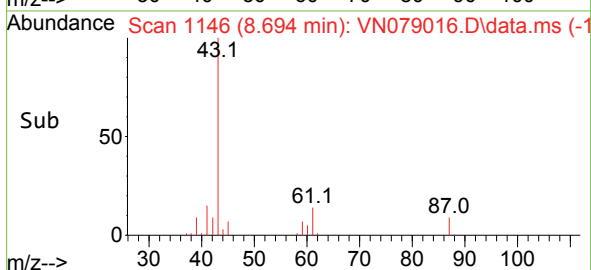
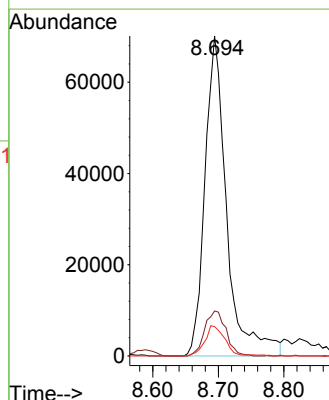
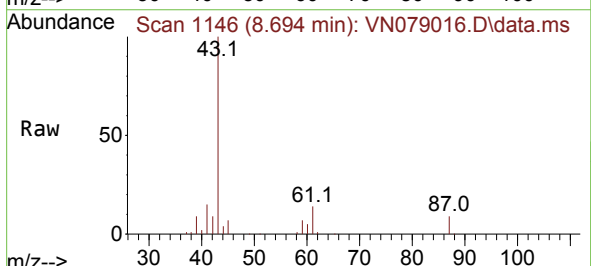
Tgt Ion: 43 Resp: 161987

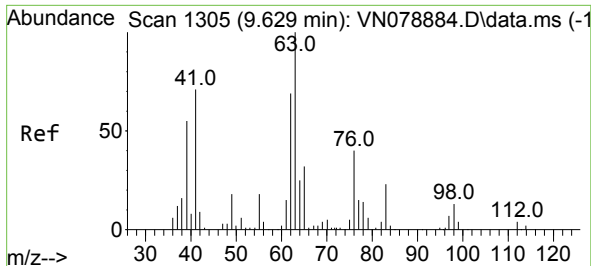
Ion Ratio Lower Upper

43 100

61 13.8 24.7 37.1#

87 8.6 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.537 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN079016.D

Acq: 23 Aug 2023 15:12

Instrument :

MSVOA_N

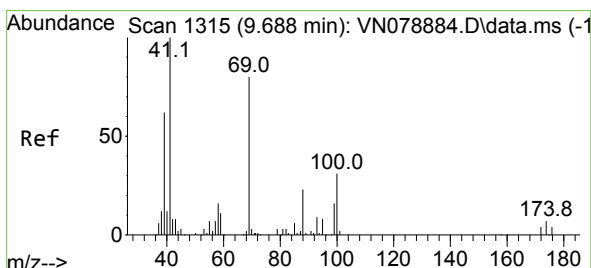
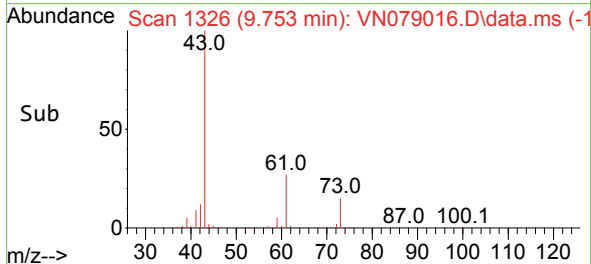
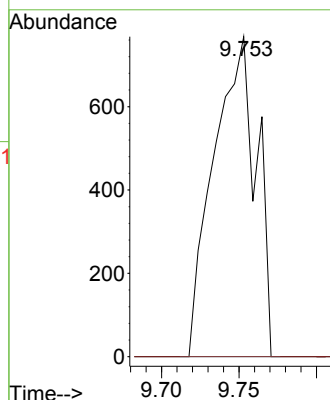
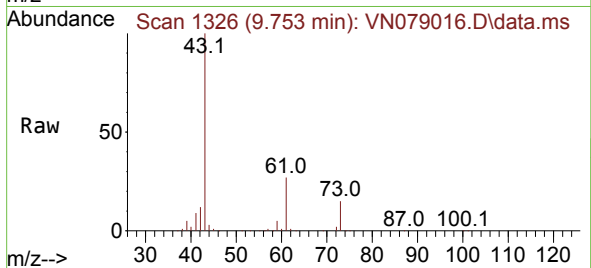
ClientSampleId :

Tgt Ion: 63 Resp: 1469

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.318 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.017 min

Lab File: VN079016.D

Acq: 23 Aug 2023 15:12

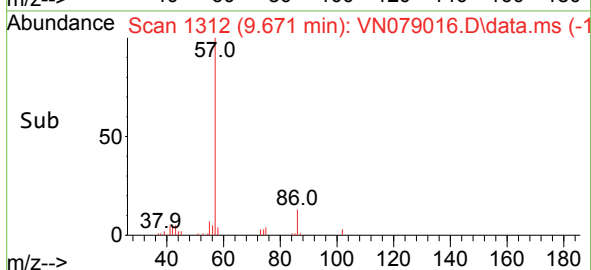
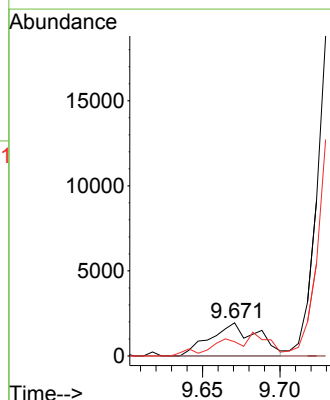
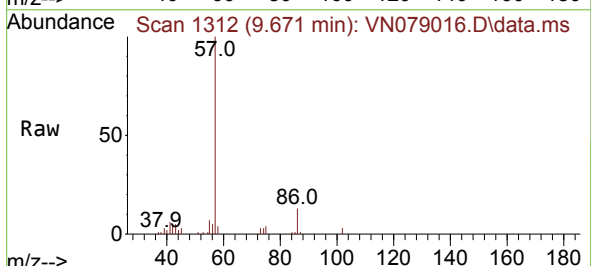
Tgt Ion: 41 Resp: 4103

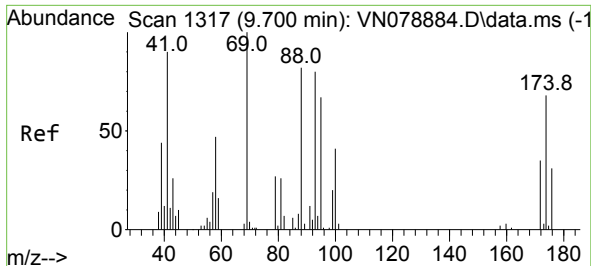
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

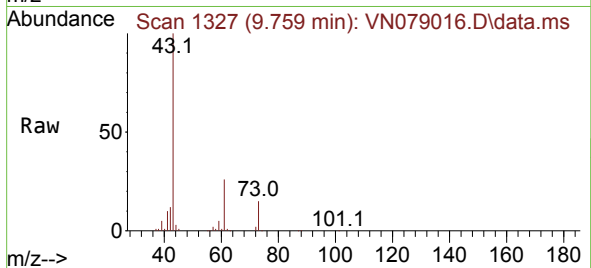
39 0.0 54.6 81.8#



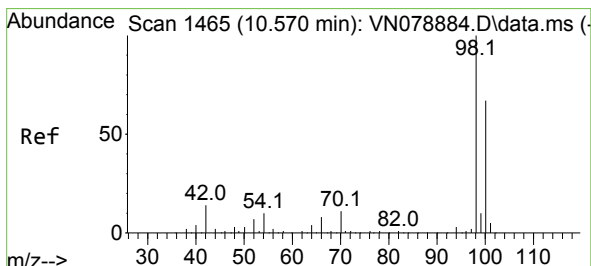
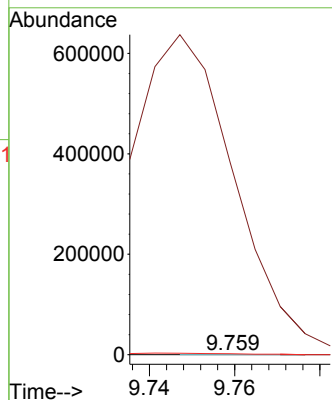
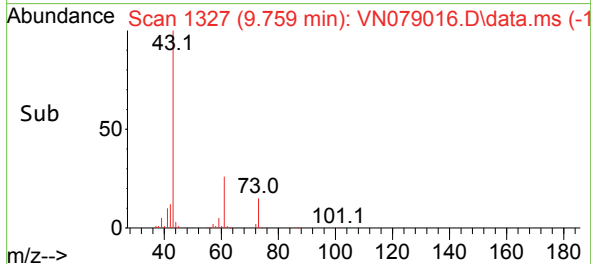


#49
1,4-Dioxane
Concen: 1.018 ug/l
RT: 9.759 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

Instrument :
MSVOA_N
ClientSampleId :

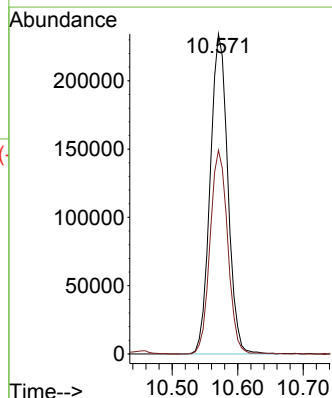
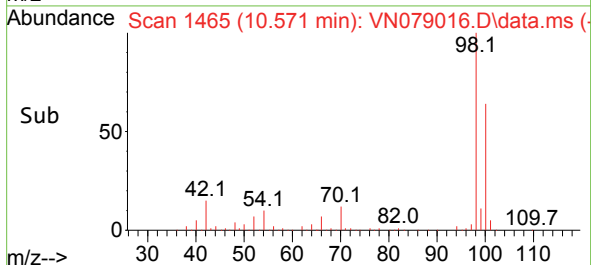
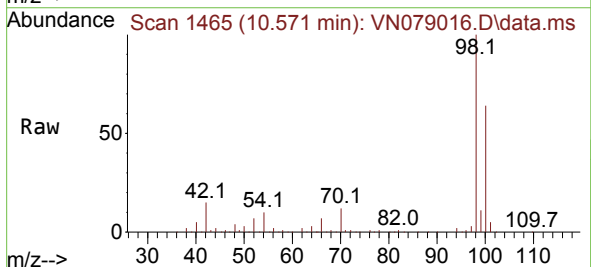


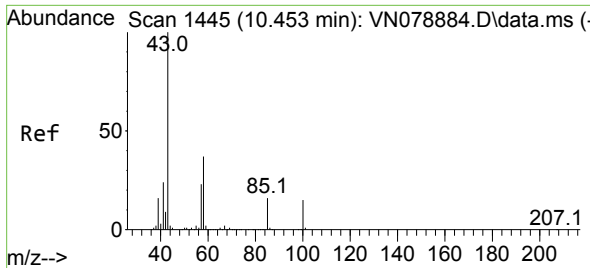
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 2135814.8 17.0 25.6#
58 10355.6 47.0 70.4#



#50
Toluene-d8
Concen: 51.134 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

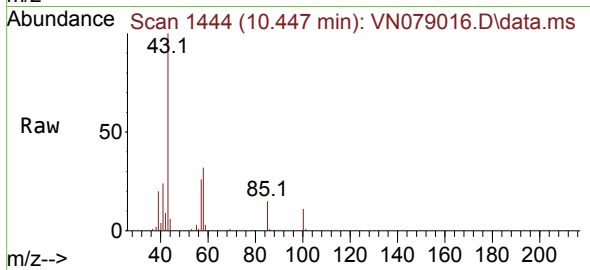
Tgt Ion: 98 Resp: 438432
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



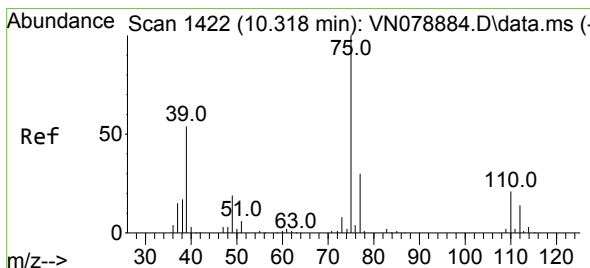
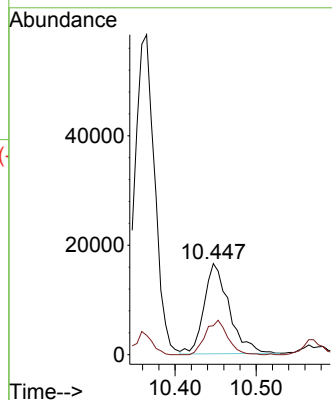
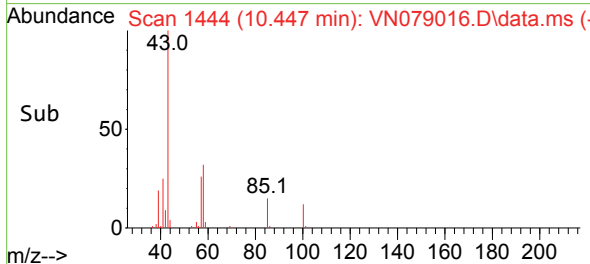


#51
4-Methyl-2-Pentanone
Concen: 8.708 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

Instrument :
MSVOA_N
ClientSampleId :

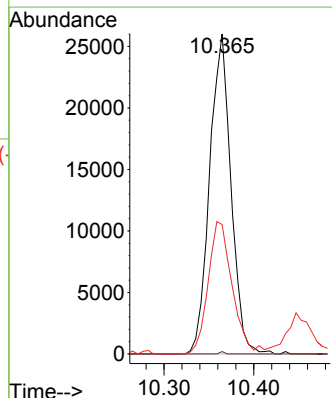
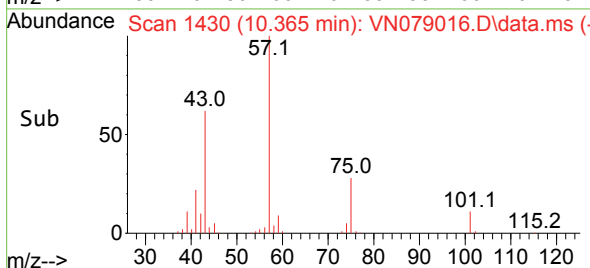
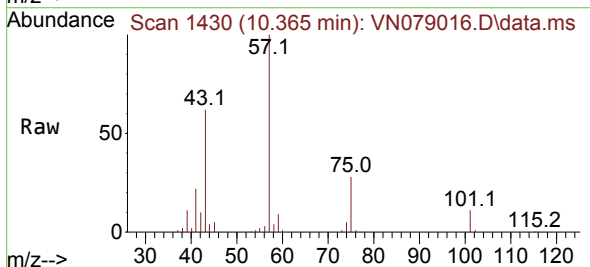


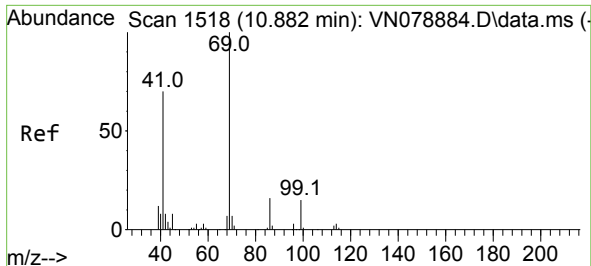
Tgt Ion: 43 Resp: 35478
Ion Ratio Lower Upper
43 100
58 33.6 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 9.943 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

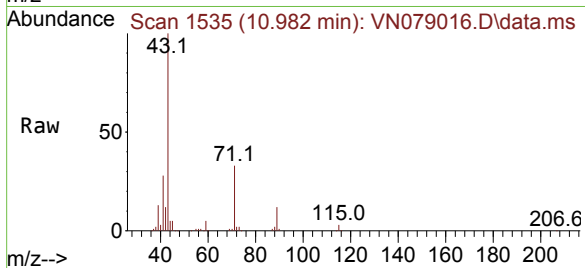
Tgt Ion: 75 Resp: 42996
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 39.3 31.6 47.4



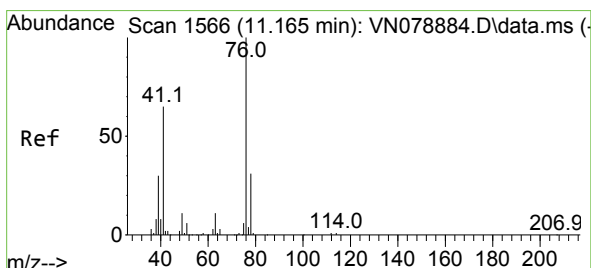
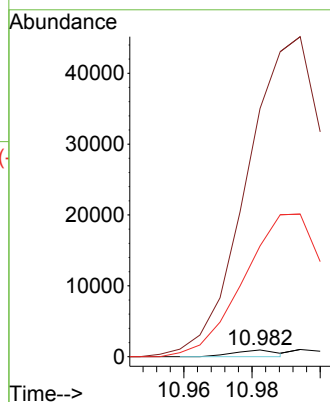
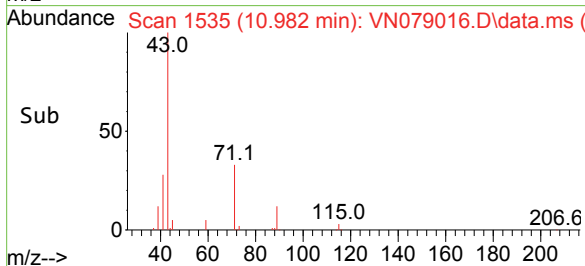


#56
Ethyl methacrylate
Concen: 0.210 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.105 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

Instrument :
MSVOA_N
ClientSampleId :

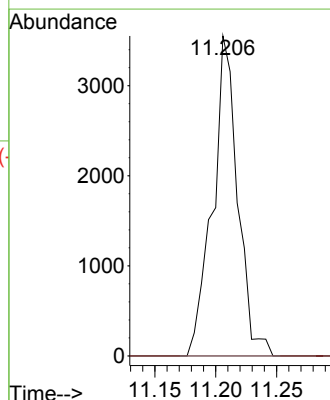
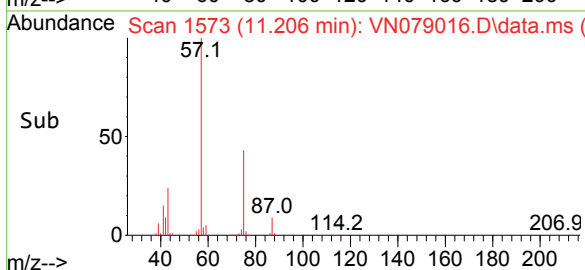
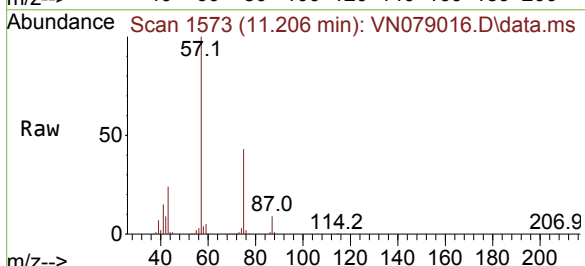


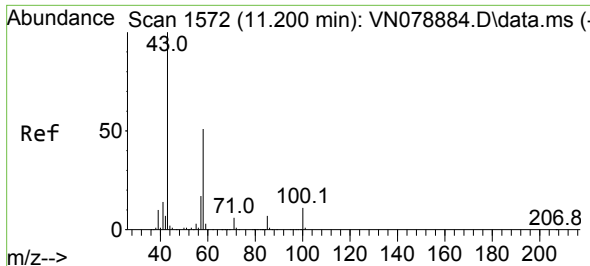
Tgt Ion: 69 Resp: 822
Ion Ratio Lower Upper
69 100
41 9509.6 39.6 59.4#
39 4408.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.123 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

Tgt Ion: 76 Resp: 5077
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

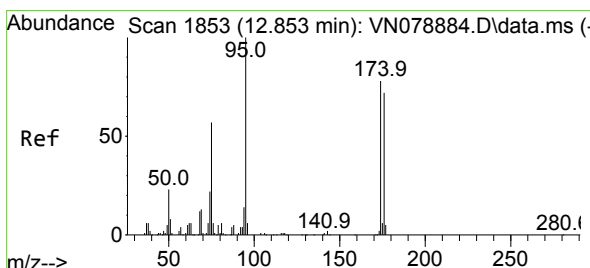
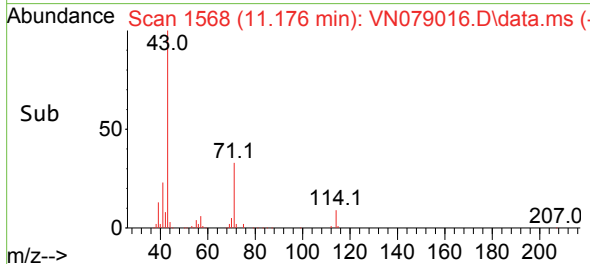
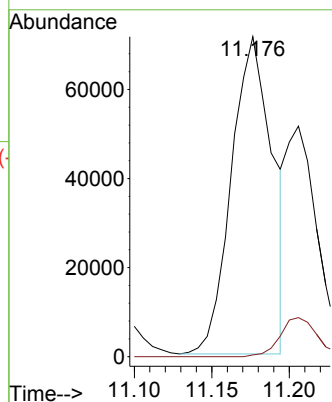
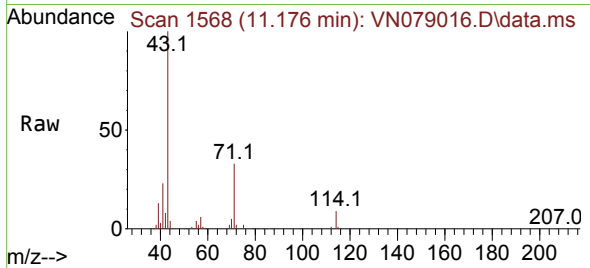




#59
2-Hexanone
Concen: 44.490 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

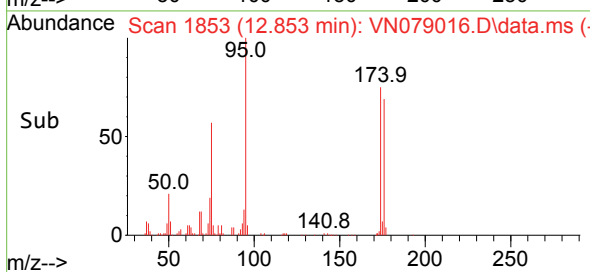
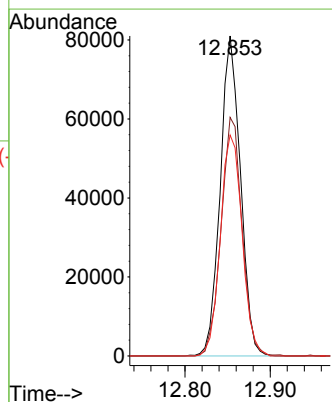
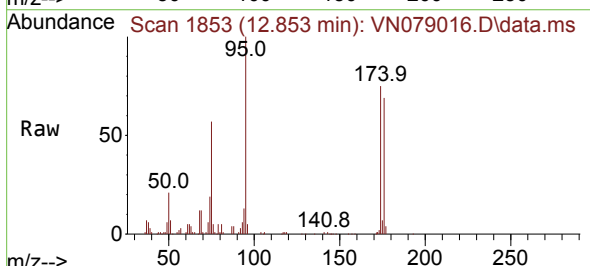
Instrument :
MSVOA_N
ClientSampleId :

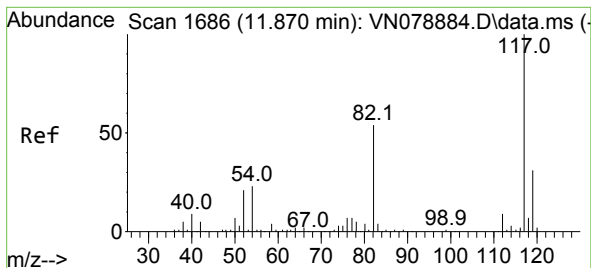
Tgt Ion: 43 Resp: 131289
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.729 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

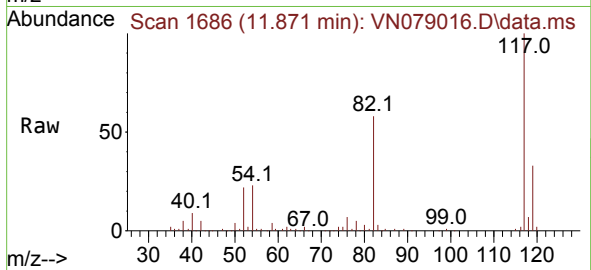
Tgt Ion: 95 Resp: 133763
Ion Ratio Lower Upper
95 100
174 77.1 0.0 143.8
176 74.0 0.0 135.8



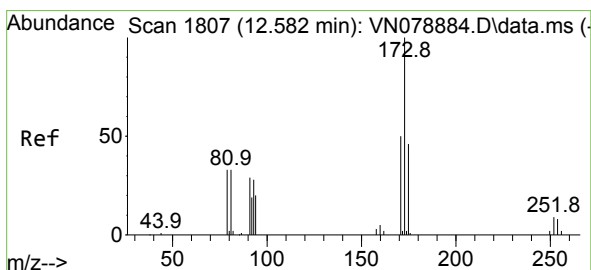
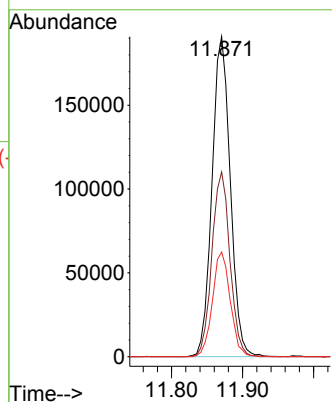
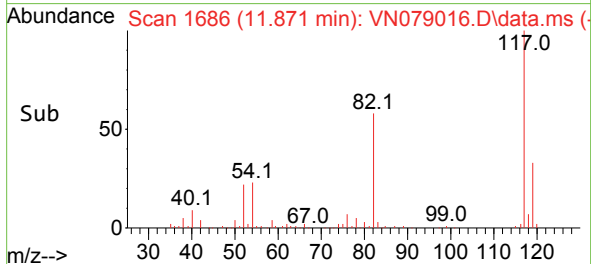


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

Instrument :
MSVOA_N
ClientSampleId :

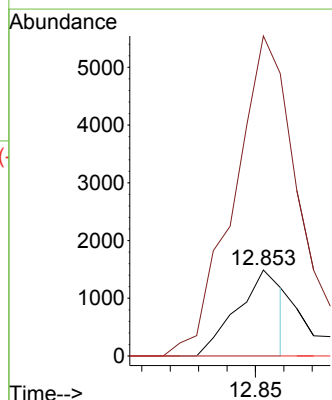
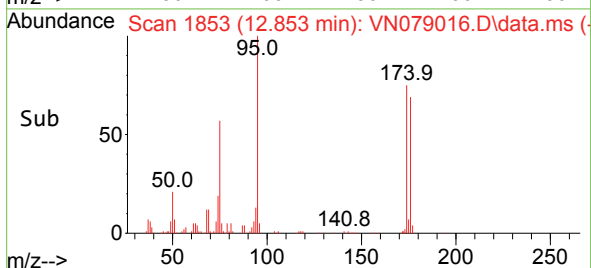
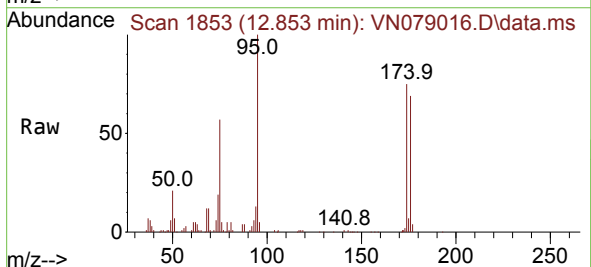


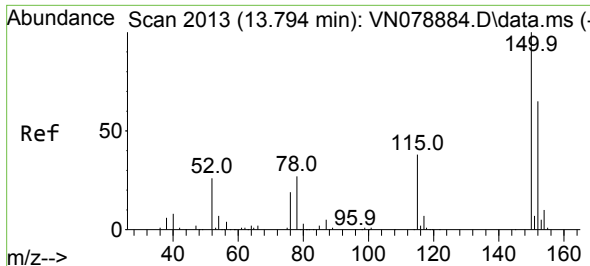
Tgt Ion:117 Resp: 341239
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 32.7 25.6 38.4



#71
Bromoform
Concen: 0.822 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

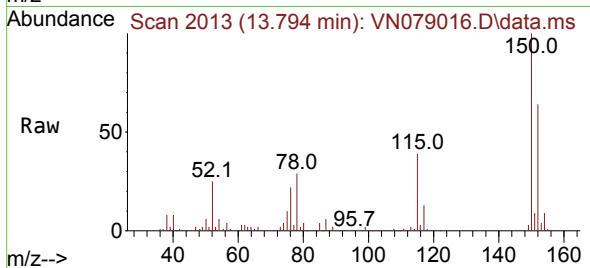
Tgt Ion:173 Resp: 1640
Ion Ratio Lower Upper
173 100
175 410.7 24.3 73.0#
254 0.0 0.0 0.0



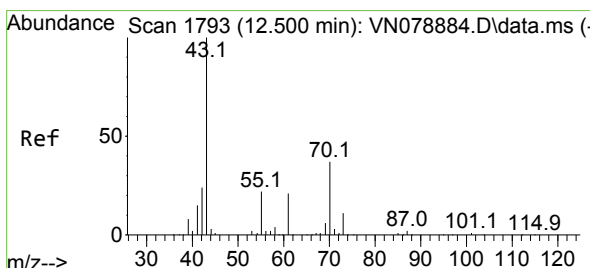
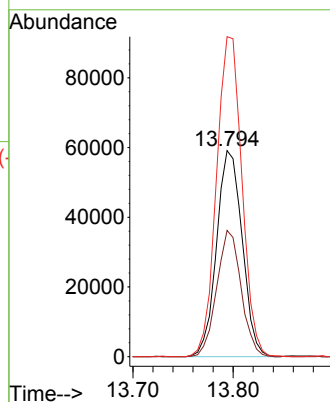
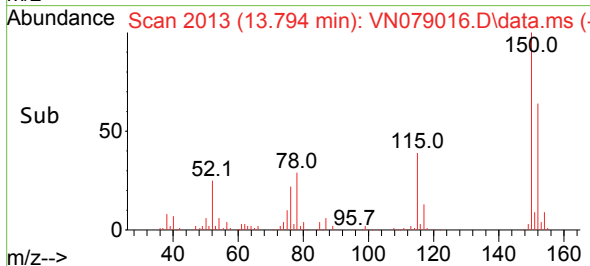


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079016.D
 Acq: 23 Aug 2023 15:12

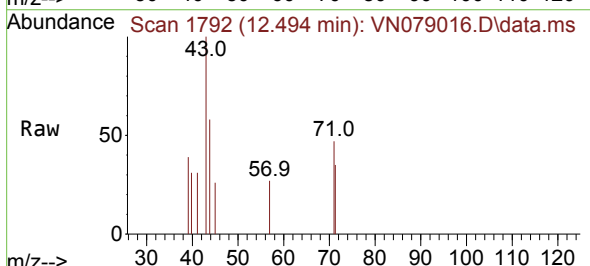
Instrument :
 MSVOA_N
 ClientSampleId :



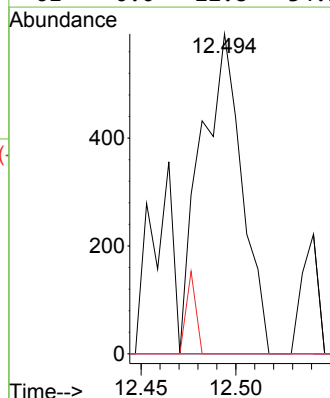
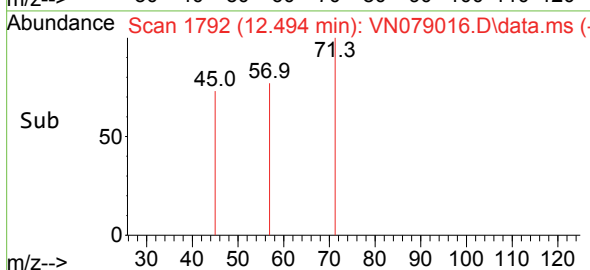
Tgt Ion:152 Resp: 104595
 Ion Ratio Lower Upper
 152 100
 115 58.4 32.3 96.8
 150 154.5 0.0 355.8

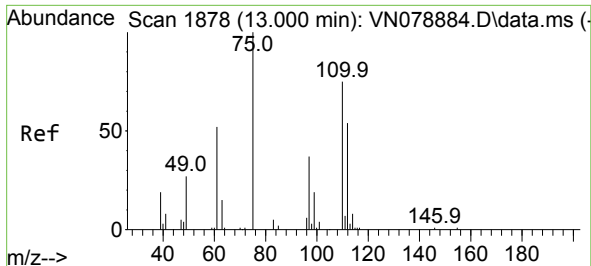


#74
 N-ethyl acetate
 Concen: 0.204 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. -0.006 min
 Lab File: VN079016.D
 Acq: 23 Aug 2023 15:12



Tgt Ion: 43 Resp: 897
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 6.0 21.4 32.0#
 61 0.0 22.8 34.2#

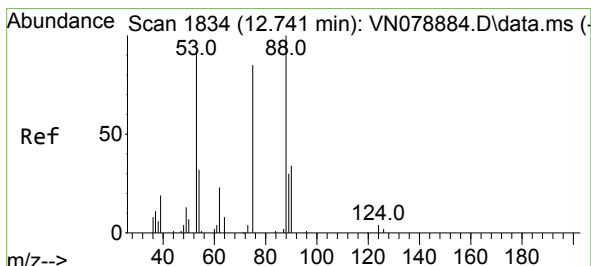
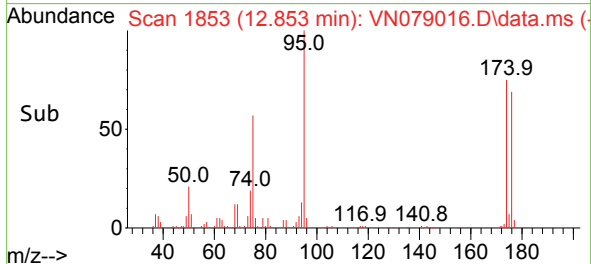
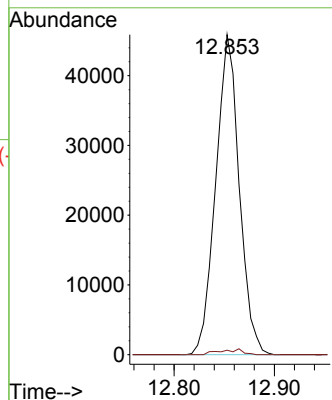
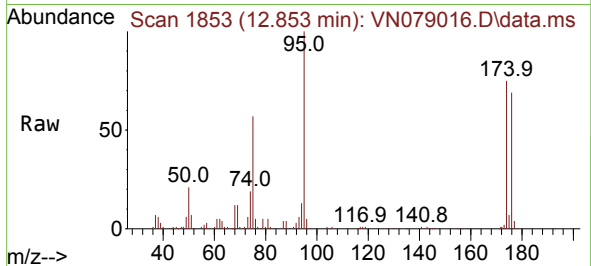




#76
1,2,3-Trichloropropane
Concen: 29.586 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

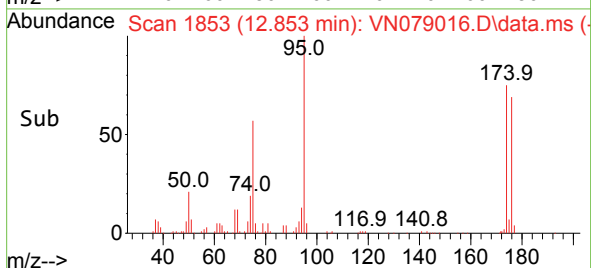
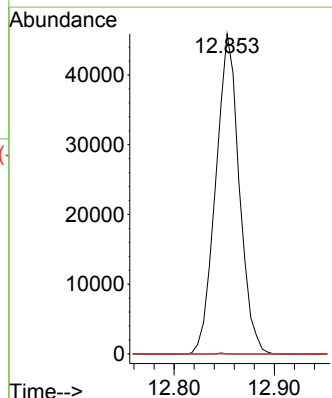
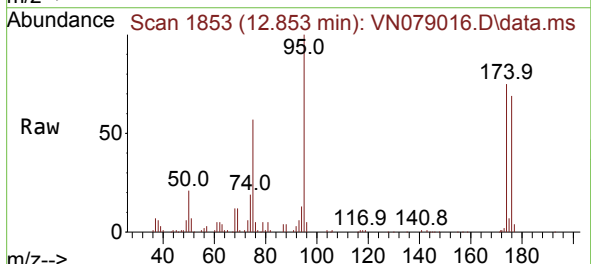
Instrument :
MSVOA_N
ClientSampleId :

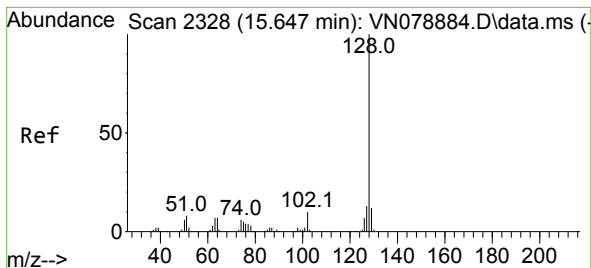
Tgt Ion: 75 Resp: 74564
Ion Ratio Lower Upper
75 100
77 1.7 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.580 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079016.D
Acq: 23 Aug 2023 15:12

Tgt Ion: 75 Resp: 74564
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 2.750 ug/l

RT: 15.653 min Scan# 21

Delta R.T. 0.006 min

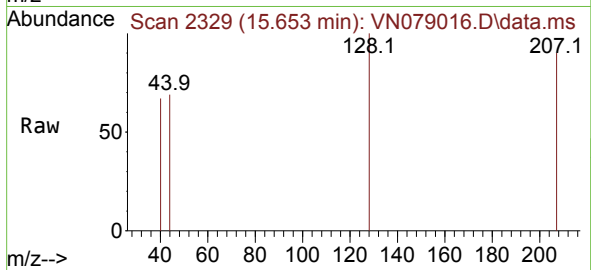
Lab File: VN079016.D

Acq: 23 Aug 2023 15:12

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 893

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#

